

ABSTRACT

5 The invention metal working machine includes a stationary frame and a
moving frame. Both the stationary frame and the moving frame carry opposite
corresponding tool dies that perform metal working operations when the moving
frame translates relative to the stationary frame. The moving frame is arranged so
that one end can move while the other end remains stationary. Hydraulic
10 cylinders on each end of the metal working machine are connected by pivot joints
between the stationary frame and moving frame. When both of the hydraulic
cylinders are activated in the same direction, the entire moving frame moves up
or down relative to the stationary frame. If only one of the hydraulic cylinders is
activated, only one side of the moving frame translates while the other side of the
moving frame moves only slightly.
15

20100301-010402